FIRST & FINAL

Orginal/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For other works)

No.....

Date:.....

Divis[redacted]sarahalli Division

Sub-Division:

Bill Received No. 235/1491 Dated 31.05.14 ....Cash Book Vocher No.....Dated.....

Scheduled Docket No.....

Head of Account.....

Name of work (as Per Sanctioned Estimate.):-*Improvements to RCC drain and Concrete roads at Shettyhalli bad reaches in ward no 12, in SSD*

Name of Contractor and Full Address: : -*Technical Manger (west) Karnataka Rural Infrastructure Development Limited, Project Implementation unit, Madhavanagara, Bangalore 560 001.*

Reference to Agreement No: *EE/DD/WO/152/2013-14*

Certified that the measurements were taken by me on 29/5/2014 and recorded in pages 83131/2 to 83143/2

Measurements Book No. 832/13-14 and that the work is satisfaction executed

1E+295

EXECUTIVE ENGINEER-4
KRIDL, BBMP, DIVISION
BANGALORE-560 010

Contractor Signature.

Officer-in-charge of work.

Certified that the measurements were taken by me on 29.5.14 and found correct. The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment

Work Code No. *012-11-000081*

Sub-Division Officer

ಶಿಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್. ಹೆಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

		Amount
1	Total Value of work done or supplies made as per account.	
2	Deduct amount to be held in reserve being ..... Percent Rs.	
3	Deduct amount to be held in reserve being balance	
4	Deduct payments: a) Amount of previous payment as in the office Cash Book Vocher No..... Dated..... S.D. No..... Amount adjusted towards cash advance recovery of b) Payments cost store or other materials supplied.	
5	Balance being unpaid value of work done held in reserve	
6	Deduct cash advance made on the office cash book vehicle No..... Dated..... Less adjustments	
7	Net amount due to or from contractor	
	Unadjusted items	
8	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied. Government materials supplied.	

IT- 194267 9713333=00
KST- 388533
TSD- 85687
CBF- 9713
LWC- 9713
ROY- 25553
Pen- 10000
Ded-
Net 8502467=00

Total..... 1210866=

EXECUTIVE ENGINEER-4
KRIDL, BBMP, DIVISION,
BANGALORE-560 010

Contractor Signature.

Received Rs.....(in wards).....

By cash and by adjustment of payment as per memorandam.

Witnesses:

1

2

Audited and admitted for Rs. 9713333=00 10790733=00
Passed by Cheque for Rs. 8502467=00 9458409=00
(for use in the office)
1210866=00
by adjustment Rs. 1332334=00

EXECUTIVE ENGINEER-4
KRIDL, BBMP, DIVISION,
BANGALORE-560 010

Signature of Contractor.

Date:.....

Paid by me by cheque..... Dated.....

Cash Rs..... Dated.....

Initials of Officer making payment dated.....

Account Superintendent

Executive Engineer

Sl. No.	Description of Items
1	Earthwork excavation for foundation of buildings, culverts, water supply sanitary lines and electrical either in pits or intrenches 1.5 m and above in width, in Hard soil not exceeding 1.5 [illegible] Earth dressing the bottom and sides of pits and trenches stacking the excavated soil clear from edges of exc with lead up to 50m after breaking of clods complete as per specifications,
2	Excavation and removal of silt and silt mix with sand in slushy condition from canal bed including disp of the same in spoil bank or on canal embankment in layers as directed etc., complete with all initial to 50m and all lift
3	Removing B.S Slab of drain and stacking etc., complete with all ead and lift, loading & unloading materials & labor, hire charges of machinery tools and plants and other incidental charges etc., comple per the specirfications and directions of the Engineer-in-charge of the work.
4	Refixing stone slabs of drains and pointing in CM 1:3 with all lead and lift loading & unloading maaterials & labor hire charges of machinery tools and plants and other incidental charges complet as per the specifications and direction of the Enginner in charge of the work.
5	sand Filling in Foundation Trenches as per Drawing & Technical Specification.MORTH specification.
6	Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 um and aggregates @ 0.465 Cum, machine mixed, concrete laid in layers not exceeding 15cm thick compacted in foundation and plinth including cost of all materials, labour, HOM of machinery etc., complete as per specifications and as directed by the Engineer-in-charge of the work
7	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, with necessary cement mortar with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete for beams. Columns, Staircase and roof with 20 (Cement -320 kg/Cum) Complete as per specification.
8	Providing and fixing 20mm thick compressible fibre board in expansion joint compelte as per drawing & Technical specifications complete as per specifications.
9	Providing & laying reinforced cement precast slabs of mix CC 1:11/2:3 using 20mm down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways complete as per specifications.
10	Provididing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished CM 1:3 plastering and finishing cutting etc., complete of size 450x200x400mm
11	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plaste surfaces including preparing the surface after throughly cleaning of oil, grease, dirt and other foreign mat and sand papering including cost of materials, labour, complete as per specifications
12	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plaste concrete surfaces, with materials, labour complete as per specifications.
13	Cleaning the existing black topped surface with brooms. Soft brushes and finally dusting with old gunny b and/ or compressed air to reccive bituminous treatment including cost of all materials,labour, HOM machineries complete as per specifications
14	Construction of granular sub-Baseby providing close graded materials, mixing in a mechanical mix plan OMC carriage of mixed Material to work site, spreading in uniform layers with mortor grader on prepa surface and compacting with vibratory power roller to achieve the desired density, complete as specification. A Plant Mix Method Close graded granual sub-base materials as per 400-1 For grading Mate
15	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications.

	Unit	Previous Measurement			Present Measurement			Total Up-to-date	
		Qty.	Rate	Cost	Qty.	Rate	Cost	Qty.	Cost
duits ding tion	Cum 1688.55				1688.55	151.74	256220.58	1688.55	256220.58
ling up	Cum 351.00				351.00	107.00	37557.00	351.00	37557.00
t of e as	1377.00				1377.00	49.18	67720.86	1377.00	67720.86
t of tc.,	Cum 1377.00				1377.00	68.74	94654.98	1377.00	94654.98
	Cum 546.00				546.00	2098.44	1145748.24	546.00	1145748.24
@ ine vell ing	Cum 262.80				262.80	4497.12	1181843.14	262.80	1181843.14
M-	Cum 175.20				175.20	6464.88	1132646.98	175.20	1132646.98
	m 20.00				20.00	137.16	2743.20	20.00	2743.20
& &	Sqm 74.52				74.52	1963.60	146327.47	74.52	146327.47
ith	No 100.00				100.00	316.44	31644.00	100.00	31644.00
ed er,	Cum 36.00				36.00	23.76	855.36	36.00	855.36
ed	cum 36.00				36.00	51.84	1866.24	36.00	1866.24
gs of	Sqm 8535.00				8535.00	2.59	22105.65	8535.00	22105.65
at ed er l	Cum 280.35				280.35	1015.20	284611.32	280.35	284611.32
	Cum 467.25				467.25	1121.04	523805.94	467.25	523805.94

16	Providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sqm for surfaces of low medium porosity respectively over prepared surface of granular base with cut back M.C-70 or any bitumen mixed with diesel at 10kg per 10sqm heated in bitumen boiler fitted with spray set (Excl cleaning of road surface) including cost of all materials, labour, HOM of Machineries nplete as Specifications. MORTH Chapter 5
17	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the ra 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom comple per specifications using bitumen emulsion.
18	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per d mix formula for base/binding course including loading of aggregates with F.E loader, hot mixing of aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipp paver and laying mixed materials with paver finisher to the required level and grade, rolling by power to achieve the desired density, 50/75 mm compacted thickness with 3.3% bitumen but excluding co primer/tack coat with lead upto 1 km including cost of all materials labour HOM of machineries comple per specifications. WIth 80/100 Grade bitumen but excluding cost of primer/ tack coat with lead upto including cost of all materials, labour, HOM of machineries complete as per specifications.
19	Providing and laying bituminous concrete 40mm thick with 100-120 TPH batch type ,hot mix plant produ an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder at 5.4 to 5.6% of mix and filler trasproting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the rquired grade level and alignment, rolling with smoo wheeled vibratory and tandem rollers to achieve the desired compaction as per MORH specification clau No. 500.9 complete in all respects complete as per specifications. 30-45mm compacted thickness (Grad ii) with 6% Bitumen 80/100 grade using 40-60 HMP
20	Carriage of mixed materials 10 kms
21	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 15 Km a) Basic rate for haulage of materilas as per item No. 17.4/KSRRB : M 10 .... Rs. 2.00 Tonne/ Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading

CERTIFICATE

1 This is to certify that the contractor has completed the work satisfactorily.

2 The contractor has cleared the debries from the work sport

3 The contractor has used his own vehicles for the coveying the debries.

4 There are no departmental issues for the above work.

nd	1869.00 Sqm				1869.00	80.78	150977.82	1869.00	150977.82
ıer									
ng									
ıer									
of	Sqm				8535.00	11.99	102334.65	8535.00	102334.65
as	8535.00								
gn									
ne									
to									
ler	Cum				93.45	6646.32	621098.60	93.45	621098.60
of									
as									
km	93.45								
ıg									
	Cum				341.40	11504.16	3927520.22	341.40	3927520.22
	341.40								
·40	Cum				341.40	56.61	19173.00	341.40	19173.00
4.1	Cum				2039.55	72.70	147287.19	2039.55	147287.19
	2039.55				566.33		41172.19	566.33	41172.19
							9895000.00		9895000.00

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು